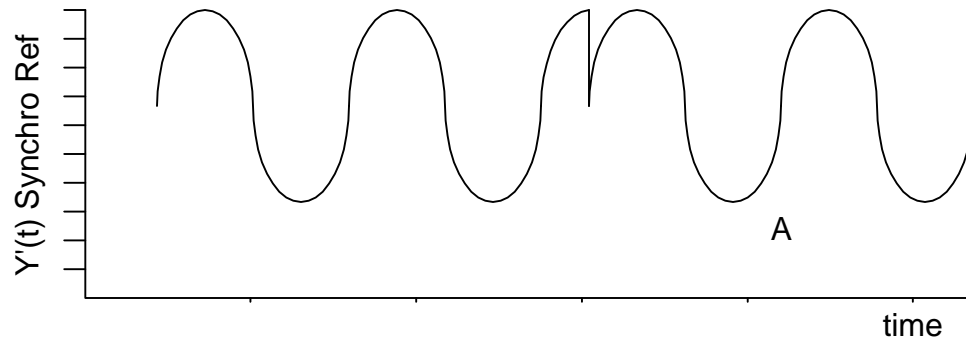
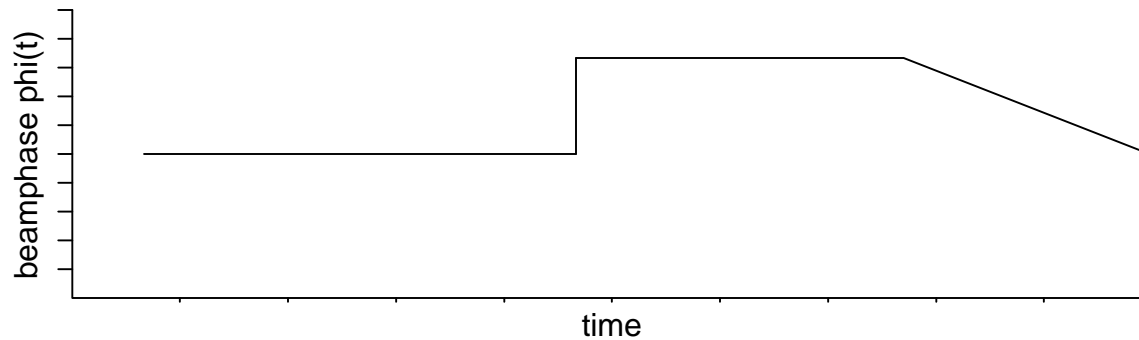


Expected Results from each stage of Synchro



Synchro Ref $Y'(t)$ - normal behaviour until point A. Here we begin synchro system. Phase reference is calculated from X, Y data, and $Y'(t)$ is rotated by this amount to bring Ref to zero for feedback loops. Example here is 90 degrees.



Synchro Rampdown - jump to initial angle on synchro trigger. Hold there until rampdown delay complete. The adiabatically ramp phase to zero.

Cogging Examples

Synchro Cogging - (i) integer cog read from Bucket Counter (ii) Positive cog tweak with phase adj. (iii) negative cog tweak with phase adj.

